

ABSTRACT

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A spray or delivery device is arranged to dispense a dye into the anterior chamber of a human eye or other mammalian eye for the purpose of staining a specific ocular structure or tissue. An ocular structure of particular interest is the anterior lens capsule. The spray device includes a cannula having a distal end arranged for insertion into the anterior chamber of the eye. The cannula preferably has a dispensing orifice located at a side of the cannula offset from the distal end. The orifice preferably dispenses the fluid dye or stain in spray form. In one exemplary embodiment, the cannula has a fin extending radially outward from the cannula. In another exemplary embodiment, the cannula has a flared sleeve surrounding and extending from the orifice. In a method for conducting intra-ocular surgery, said delivery device would dispense a dye in a particular fashion so as to control its application to the intended target tissue, thereby limiting delivery of the dye to undesired surrounding tissue structures.